

ABSTRACT

5 The present invention relates generally to a method for the treatment or prophylaxis of animals including humans suffering from or predisposed to breast cancer or other related cancers which comprises the use of cytokines and/or functionally active derivatives, hybrids and/or analogs thereof and to pharmaceutical compositions comprising same as therapeutic agents. In particular, but not exclusively, the present invention is directed to the use of cytokines which
10 are ligands of members of the haemopoietin receptor super family or their derivatives, hybrids or analogues as therapeutic agents. The present application also contemplates breast cancer therapies and methods of suppressing growth of normal breast cells or breast cancer cells by the use of one or more cytokines optionally in combination with other therapeutic agents as well as the use of agonists or antagonists of cytokine activity. Particularly preferred are oncostatin
15 M (OSM) and leukemia inhibitory factor (LIF).

Table 1

Variable	Mean	SD	Min	Max
Age	36.2	10.5	18	65
Gender	1.0	0.0	0	1
Marital status	1.0	0.0	0	1
Education	12.5	1.5	9	16
Income	1.5	0.5	1	3
Health status	1.0	0.0	0	1
Smoking status	0.5	0.5	0	1
Alcohol consumption	0.5	0.5	0	1
Exercise frequency	0.5	0.5	0	1
Stress level	1.5	0.5	1	3
Sleep quality	1.0	0.0	0	1
Dietary habits	1.0	0.0	0	1
Family size	2.5	0.5	1	4
Work hours	40.0	5.0	30	50
Health insurance	1.0	0.0	0	1
Chronic conditions	0.5	0.5	0	1
Medication use	0.5	0.5	0	1
Healthcare access	1.0	0.0	0	1
Healthcare costs	1.0	0.0	0	1
Healthcare quality	1.0	0.0	0	1
Healthcare satisfaction	1.0	0.0	0	1
Healthcare utilization	1.0	0.0	0	1
Healthcare expenditure	1.0	0.0	0	1
Healthcare coverage	1.0	0.0	0	1
Healthcare access barriers	1.0	0.0	0	1
Healthcare quality of care	1.0	0.0	0	1
Healthcare patient safety	1.0	0.0	0	1
Healthcare patient satisfaction	1.0	0.0	0	1
Healthcare patient engagement	1.0	0.0	0	1
Healthcare patient education	1.0	0.0	0	1
Healthcare patient empowerment	1.0	0.0	0	1
Healthcare patient participation	1.0	0.0	0	1
Healthcare patient decision making	1.0	0.0	0	1
Healthcare patient self-management	1.0	0.0	0	1
Healthcare patient health literacy	1.0	0.0	0	1
Healthcare patient health beliefs	1.0	0.0	0	1
Healthcare patient health behaviors	1.0	0.0	0	1
Healthcare patient health outcomes	1.0	0.0	0	1
Healthcare patient health status	1.0	0.0	0	1
Healthcare patient health quality of life	1.0	0.0	0	1
Healthcare patient health equity	1.0	0.0	0	1
Healthcare patient health justice	1.0	0.0	0	1
Healthcare patient health fairness	1.0	0.0	0	1
Healthcare patient health freedom	1.0	0.0	0	1
Healthcare patient health rights	1.0	0.0	0	1
Healthcare patient health responsibilities	1.0	0.0	0	1
Healthcare patient health obligations	1.0	0.0	0	1
Healthcare patient health duties	1.0	0.0	0	1
Healthcare patient health virtues	1.0	0.0	0	1
Healthcare patient health values	1.0	0.0	0	1
Healthcare patient health beliefs and values	1.0	0.0	0	1
Healthcare patient health attitudes	1.0	0.0	0	1
Healthcare patient health emotions	1.0	0.0	0	1
Healthcare patient health cognitions	1.0	0.0	0	1
Healthcare patient health behaviors and cognitions	1.0	0.0	0	1
Healthcare patient health outcomes and cognitions	1.0	0.0	0	1
Healthcare patient health status and cognitions	1.0	0.0	0	1
Healthcare patient health quality of life and cognitions	1.0	0.0	0	1
Healthcare patient health equity and cognitions	1.0	0.0	0	1
Healthcare patient health justice and cognitions	1.0	0.0	0	1
Healthcare patient health fairness and cognitions	1.0	0.0	0	1
Healthcare patient health freedom and cognitions	1.0	0.0	0	1
Healthcare patient health rights and cognitions	1.0	0.0	0	1
Healthcare patient health responsibilities and cognitions	1.0	0.0	0	1
Healthcare patient health obligations and cognitions	1.0	0.0	0	1
Healthcare patient health duties and cognitions	1.0	0.0	0	1
Healthcare patient health virtues and cognitions	1.0	0.0	0	1
Healthcare patient health values and cognitions	1.0	0.0	0	1
Healthcare patient health beliefs and values and cognitions	1.0	0.0	0	1
Healthcare patient health attitudes and cognitions	1.0	0.0	0	1
Healthcare patient health emotions and cognitions	1.0	0.0	0	1
Healthcare patient health cognitions and cognitions	1.0	0.0	0	1
Healthcare patient health behaviors and cognitions and cognitions	1.0	0.0	0	1
Healthcare patient health outcomes and cognitions and cognitions	1.0	0.0	0	1
Healthcare patient health status and cognitions and cognitions	1.0	0.0	0	1
Healthcare patient health quality of life and cognitions and cognitions	1.0	0.0	0	1
Healthcare patient health equity and cognitions and cognitions	1.0	0.0	0	1
Healthcare patient health justice and cognitions and cognitions	1.0	0.0	0	1
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Healthcare patient health obligations and cognitions and cognitions	1.0	0.0	0	1
Healthcare patient health duties and cognitions and cognitions	1.0	0.0	0	1
Healthcare patient health virtues and cognitions and cognitions	1.0	0.0	0	1
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Healthcare patient health emotions and cognitions and cognitions	1.0	0.0	0	1
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Healthcare patient health behaviors and cognitions and cognitions and cognitions	1.0	0.0	0	1
Healthcare patient health outcomes and cognitions and cognitions and cognitions	1.0	0.0	0	1
Healthcare patient health status and cognitions and cognitions and cognitions	1.0	0.0	0	